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NOTICE OF ALLOWANCE AND FEE(S) DUE

23973

7590

12/01/2009

DRINKER BIDDLE & REATH ATTN: INTELLECTUAL PROPERTY GROUP ONE LOGAN SQUARE 18TH AND CHERRY STREETS PHILADELPHIA, PA 19103-6996

EXAMINER				
MONIKANG, GEORGE C				
ART UNIT	PAPER NUMBER			

2614 DATE MAILED: 12/01/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/593,086	09/15/2006	Kei Sakagami	46970-5274	7843

TITLE OF INVENTION: STEREOPHONIC SOUND REPRODUCING SYSTEM AND STEREOPHONIC SOUND REPRODUCING APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/01/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for

maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 23973 7590 12/01/2009 Certificate of Mailing or Transmission DRINKER BIDDLE & REATH I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. ATTN: INTELLECTUAL PROPERTY GROUP ONE LOGAN SQUARE 18TH AND CHERRY STREETS (Depositor's name PHILADELPHIA, PA 19103-6996 (Signature (Date APPLICATION NO. FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. FILING DATE 10/593,086 09/15/2006 Kei Sakagami 7843 TITLE OF INVENTION: STEREOPHONIC SOUND REPRODUCING SYSTEM AND STEREOPHONIC SOUND REPRODUCING APPARATUS APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$0 \$1810 03/01/2010 **EXAMINER** ART UNIT CLASS-SUBCLASS MONIKANG, GEORGE C 2614 381-018000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: lssue Fee A check is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number ______ (enclose an extra copy of this fo Advance Order - # of Copies _ (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ■ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature Date Typed or printed name Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/593,086	09/15/2006	Kei Sakagami	46970-5274	7843
23973 75	590 12/01/2009		EXAM	INER
DRINKER BIDDLE & REATH			MONIKANG, GEORGE C	
ATTN: INTELLECTUAL PROPERTY GROUP ONE LOGAN SQUARE 18TH AND CHERRY STREETS PHILADELPHIA, PA 19103-6996			ART UNIT	PAPER NUMBER
			2614 DATE MAILED: 12/01/2009	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 326 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 326 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/593,086	SAKAGAMI, KEI	
Notice of Allowability	Examiner	Art Unit	
	GEORGE C. MONIKANG	2614	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS	
1. This communication is responsive to 7/15/2009.			
2. ☑ The allowed claim(s) is/are <u>1-13</u> .			
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No. <u>10</u>		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),	
3. ☐ Information Disclosure Statements (PTO/SB/08),	— Paper No./Mail Dat 7.	e	
Paper No./Mail Date4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance	
of Biological Material	9.		

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DETAILED ACTION

Allowable Subject Matter

Claims 1-13 are allowed.

The following is an examiner's statement of reasons for allowance:

Referring to claim 1, Fujita et al (US Patent Pub. 20040062402 A1) discloses a stereophonic sound reproducing system comprising: a stereophonic sound reproducing apparatus for providing a sound field space having the realism of a live performance to the listener by amplifying a plurality of input stereophonic sound signals by speakers corresponding to the stereophonic sound signals; at least a pair of right and left main speakers installed forward of the listening position and amplifying main signals as stereophonic sound signals corresponding to the speakers. The Fujita et al reference taken alone or in combination with another reference does not disclose or fairly suggest an integral surround speaker obtained by integrally forming a left surround speaker for generating the stereophonic sound by amplifying a surround signal as a stereophonic sound signal of a left-side component with respect to the listening position as a reference, and a right surround speaker for generating the stereophonic sound by amplifying a surround signal as the stereophonic sound signal of a right-side component with respect to the listening position as a reference, wherein the stereophonic sound reproducing apparatus comprises: a signal adjusting device, in the case where the integral surround speaker is installed in a position that makes arrangement asymmetrical with respect to the listening position as a center, which adjusts the frequency characteristic of a surround signal of a component of the side different from

the side on which the integral surround speaker is asymmetrically installed on the basis of a transfer function for creating a sound image in a predetermined listening position; an adding device which adds a component of at least part of the adjusted surround signal to a main signal of the component of the side different from the side on which the integral surround speaker is asymmetrically installed as recited in claim 1. These aspects as summarized above are neither anticipated nor obvious by the prior arts of record.

Claim 10 is allowable for the same reason stated above.

Claims 2-6 depend on claim 1.

Referring to claim 7, Fujita et al (US Patent Pub. 20040062402 A1) discloses a stereophonic sound reproducing system comprising: a stereophonic sound reproducing apparatus for providing a sound field space having the realism of a live performance to the listener by amplifying a plurality of input stereophonic sound signals by speakers corresponding to the stereophonic sound signals; at least a pair of right and left main speakers installed forward of the listening position and amplifying main signals as stereophonic sound signals corresponding to the speakers. The Fujita et al reference taken alone or in combination with another reference does not disclose or fairly suggest an integral surround speaker obtained by integrally forming a left surround speaker for generating the stereophonic sound by amplifying a surround signal as a stereophonic sound signal of a left-side component with respect to the listening position as a reference, and a right surround speaker for generating the stereophonic sound by

amplifying a surround signal as the stereophonic sound signal of a right-side component with respect to the listening position as a reference, wherein the stereophonic sound reproducing apparatus comprises: a generating device, in the case where the integral surround speaker is installed in a position that makes arrangement asymmetrical with respect to the listening position as a center, which generates a differential signal by subtracting a surround signal of a component on the side on which the integral surround speaker is asymmetrically installed from a surround signal of a component of the side different from the side on which the integral surround speaker is asymmetrically installed as recited in claim 7. These aspects as summarized above are neither anticipated nor obvious by the prior arts of record.

Claims 9, 11, 13 are allowable for the same reason stated above.

Referring to claim 8, Fujita et al (US Patent Pub. 20040062402 A1) discloses a stereophonic sound reproducing system comprising: a stereophonic sound reproducing apparatus for providing a sound field space having the realism of a live performance to the listener by amplifying a plurality of input stereophonic sound signals by speakers corresponding to the stereophonic sound signals; at least a pair of right and left main speakers installed forward of the listening position and amplifying main signals as stereophonic sound signals corresponding to the speakers. The Fujita et al reference taken alone or in combination with another reference does not disclose or fairly suggest an integral surround speaker obtained by integrally forming a left surround speaker for generating the stereophonic sound by amplifying a surround signal as a stereophonic

sound signal of a left-side component with respect to the listening position as a reference, and a right surround speaker for generating the stereophonic sound by amplifying a surround signal as the stereophonic sound signal of a right-side component with respect to the listening position as a reference, wherein the stereophonic sound reproducing apparatus comprises: a generating device, in the case where the integral surround speaker is installed in a position that makes arrangement asymmetrical with respect to the listening position as a center, which generates a delay component having predetermined delay time with respect to a surround signal of a component on the side different from the side on which integral surround speaker is deviated and installed as recited in claim 8. These aspects as summarized above are neither anticipated nor obvious by the prior arts of record.

Claim 12 is allowable for the same reason stated above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GEORGE C. MONIKANG whose telephone number is

Art Unit: 2614

(571)270-1190. The examiner can normally be reached on M-F. alt Fri. Off 7:30am-5:00pm (est).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chin Vivian can be reached on 571-272-7848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/George C Monikang/ Examiner, Art Unit 2614 11/17/2009

/Vivian Chin/

Supervisory Patent Examiner, Art Unit 2614